

(2) providing each hunter with an electronic device adapted to determine its location and orientation, transmit its location information through said wireless communication system, receive location information of said other of said devices in said locale, determine the location of the other of said devices in said locale relative to its own location and orientation, and indicate if an unsafe condition exists, said unsafe condition comprising another of said devices being within a certain distance and in a certain direction of said device.

2. The method of claim 1 wherein step (2) comprises providing each device with an electronic compass to determine said orientation of said device, said device adapted to combine said orientation information and said location information to determine the distance and direction of said other devices relative to said device.

3. The method of claim 2 further comprising the step of:

(3) providing a mechanism for mounting said device to said hunter's firearm such that said compass indicates the direction in which said firearm is pointing.

5. The method of claim 2 wherein step (1) comprises the steps of:

(1.1) providing a central processing device remote from said electronic devices;

(1.2) wirelessly receiving at said central processing device said location information transmitted by said devices in said locale;

19 (1.3) processing at said central processing device said location information of said devices to generate a report of the location of all of said devices in said locale; and

(1.4) wirelessly transmitting said report from said central processing device to said devices in said locale.

9. An apparatus for providing enhanced safety among a plurality of hunters hunting in a particular locale, said apparatus comprising:

an electronic device adapted to determine its location and generate a location signal;

a compass for determining an orientation of said apparatus;

a wireless transmitter for transmitting said location signal;

20 a wireless receiver for receiving location information of said other of said apparatuses; and

a processing device adapted to determine the location of the other of said apparatuses relative to said apparatus and generate a warning if an unsafe condition exists, said unsafe condition comprising another of said devices being within a certain distance and in a certain direction of said device.

10. The apparatus of claim 9 wherein said processing device combines said orientation and said location information to determine the distance and direction of said other devices relative to said device.

11. The apparatus of claim 10 further comprising:
a mechanism for mounting said device to a firearm such that said compass indicates the direction in which said firearm is pointing.

20. The apparatus of claim 9 further comprising a signal output line for coupling to control a firing mechanism of a firearm and wherein said processing device further asserts a signal on said signal output line that disables said firing mechanism when said unsafe condition exists.

21. The apparatus of claim 9 wherein said processing device causes said transmitter to transmit said location information only if said apparatus has moved more than a predetermined distance since the last time the apparatus transmitted its location information.
